

## **ABSTRACT OF THE DISCLOSURE**

It is an object of the present invention to provide an amplifier apparatus which can amplify the sound signal at a relatively high quality, and to provide an acoustic system comprising the amplifier apparatus. The amplifier apparatus comprises a first amplifier 13 having a first acoustic gain, and being adapted to amplify an analog sound signal according to the first acoustic gain, and to allow the first acoustic gain to be changed, an analog-to-digital converter 14 for converting the amplified analog sound signal to a digital sound signal, a second amplifier 15 having a second acoustic gain, being adapted to amplify the digital sound signal according to the second acoustic gain, and to allow the second acoustic gain to be changed, and a controller 16 for obtaining a combined acoustic gain from the first and second acoustic gains, and keeping the combined acoustic gain constant by modifying the second acoustic gain in response to a change of the first acoustic gain.